

So this is where my screw up began:
I thought I had found 2009 Mode 1B it was really 2009
Mode 1A (250GeV)

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-vhs
11:56: With this fairly substantial position bump a the kicker I can get matching with relatively low AtR loss. The remaining losses at 520 and 560 m in AtR display are usually addressable separately with closed bumps prior to the end of the line. -vhs
11:56: 9 mm at bo6-bv9 -vhs

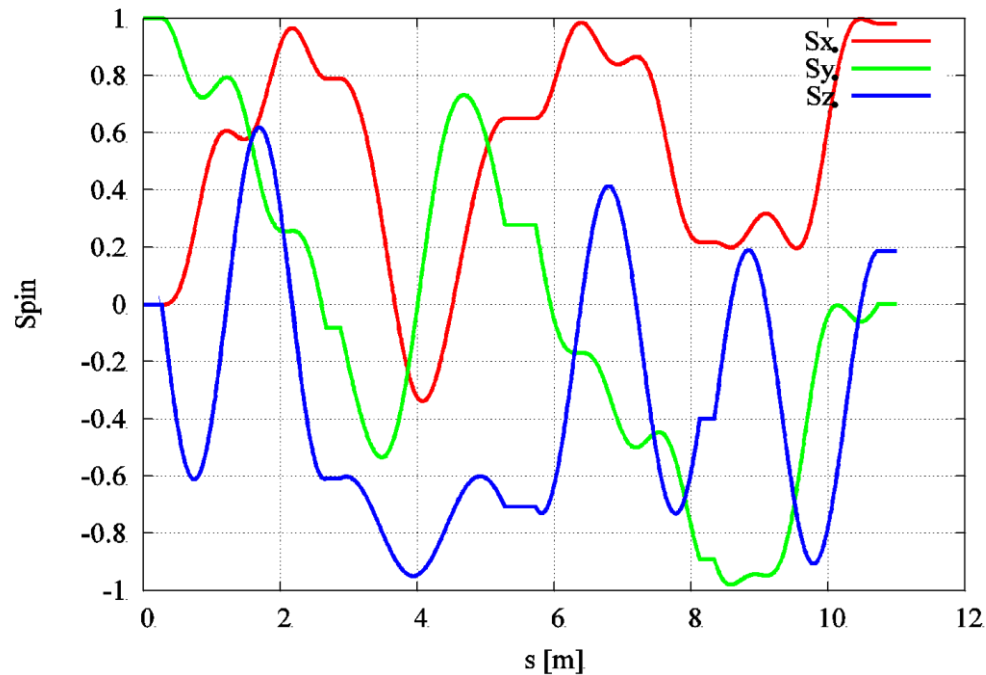
æ 12:01:cp
I think we can use the settings for STAR here for longitudinal pol. from Run 2009 Mode 1B (100.2 GeV long pol)

-vranjbar
12:04: PHENIX pol will be transverse (so rotators off set all to 1 Amp only). -VR

æ 12:02 (1 edit):cp

If you look just a bit you will see that clearly this was a 250GeV ramp..but I didn't catch it.

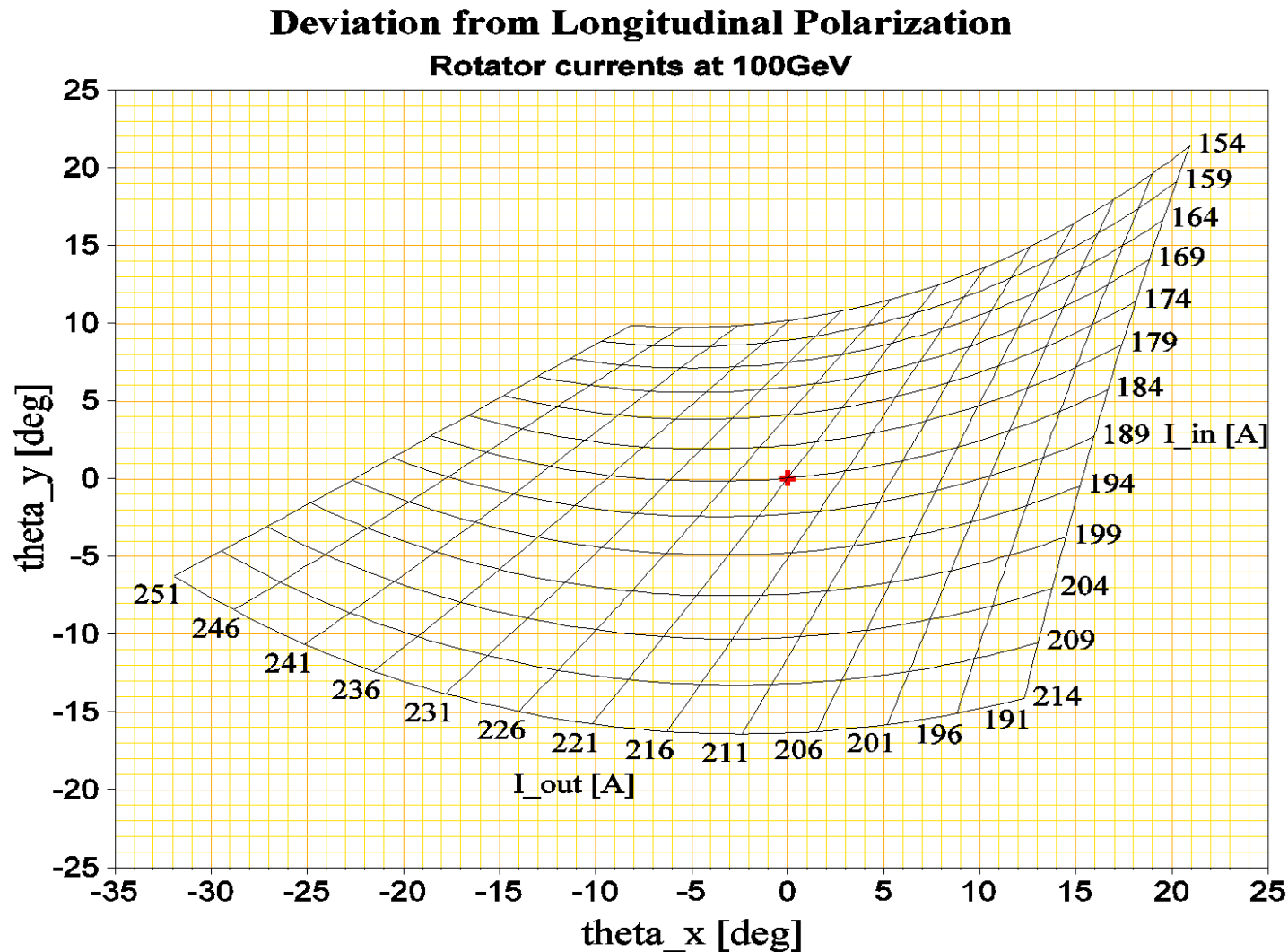
When I cross checked with my simulation I got this result which seemed close enough



What I thought we had...it was off but I thought mmm good enough.

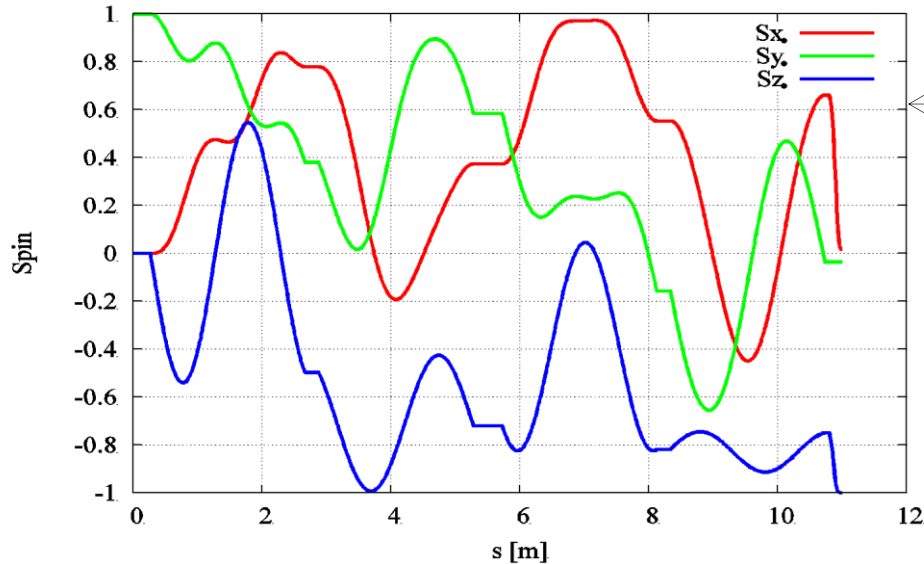
Then yesterday I spent some time digging through 2006 elogs and noticed that the values were lower but I thought..well they were still 'commissioning' the rotators. Then in the evening Vincent insight-fully realized if we were not using the dipole field that would account for the 40 degrees. However I was still sure I was using them since I saw them in my code.. ..but I was beginning to have doubts..and began digging more through waldo's old Files and finally found what was looking for:

Just then I got an email from Ernst, he had found the 'real' 2009 settings which I had originally missed and they were about the same as in this plot



Then I realized that the # meant the dipole fields were commented out.(Vincent was right)

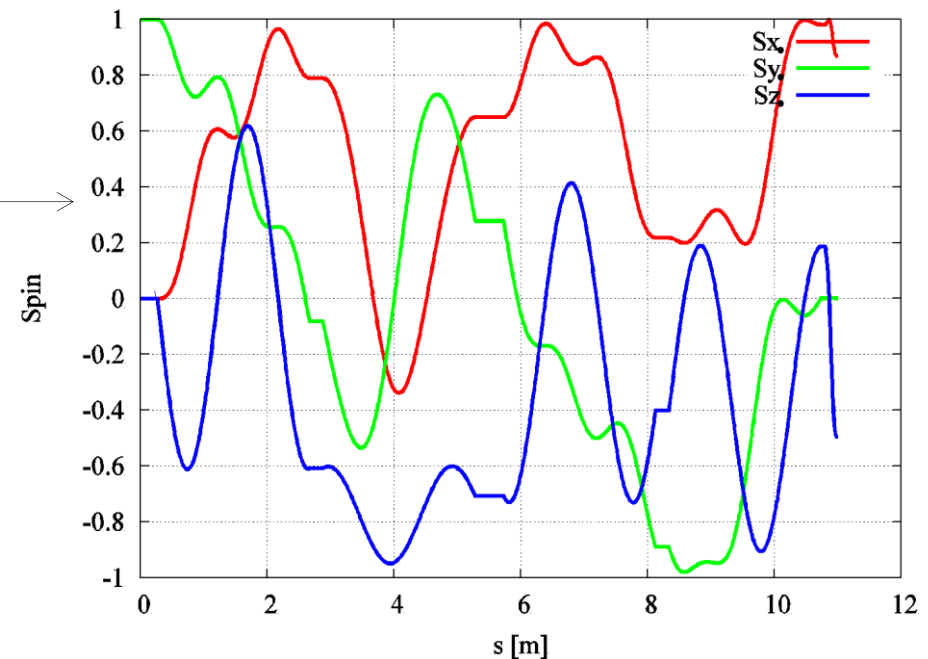
So this is what I should have been getting:



$I_{out}=221, I_{in}=189$

The 'real' optimal setting by Waldo's Model

What we had before using
 $I_{out}=272, I_{in}=247$



Sorry!

- I should have been more careful and dug a little harder.
- Thanks to Ernst and Vincent for helping solve this.